

**FLOTATION METHOD OF PULVERIZED COAL, PULVERIZED COAL SURFACE MODIFICATION APPARATUS, AND FLOTATION SYSTEM OF PULVERIZED COAL****Publication number:** JP2004141797**Publication date:** 2004-05-20**Inventor:** MURATA TOSHIAKI; ABE KAZUO; KIMOTO KOSUKE**Applicant:** MITSUI SHIPBUILDING ENG**Classification:**

- **International:** *B03D1/06; B01F7/02; B03D1/001; B03D1/14;  
C10L5/00; B03D1/00; B01F7/02; B03D1/001;  
B03D1/14; C10L5/00; (IPC1-7): B03D1/06; B01F7/02;  
B03D1/001; B03D1/14; C10L5/00*

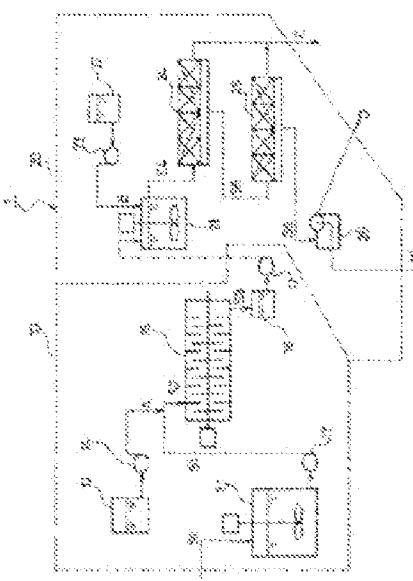
- **European:**

**Application number:** JP20020311080 20021025**Priority number(s):** JP20020311080 20021025[Report a data error here](#)**Abstract of JP2004141797**

**PROBLEM TO BE SOLVED:** To provide a flotation method or the like of pulverized coal capable of imparting floating a property even to pulverized coal whose bonding force to oil drops is weak, that is [H/C\*100] value is <=80, to be impossible to apply the floatation method heretofore thereby applying the floatation method, and reducing the quality of oil to be used in a pulverized coal precipitation.

**SOLUTION:** The floatation method of coal for recovering the pulverized coal (c) from coal slurry S2 containing fine powdery coal having [H/C\*100] value of 0-80 and <=0.5 mm particle diameter is constituted so as to include a oil addition process for adding floatation oil A to the coal slurry S2, a shearing process for rapidly stirring the coal slurry S2 to impart a shearing force to the pulverized coal and the oil drops (a) of the floatation oil A and a floatation process for floating the pulverized coal (c) after the shearing process to clean and recover.

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